Weekly report (2013.11.25~12.1)

Done

1) This week, I spent most time on the Meteorological Project. I have successfully extracted some of the code for rendering the earth from the VisNgin project. The extracted code is only a subset of the VisNgin, but it is very representative. It is with data(texture), as well as interactions(mouse interaction).

   So, once we are able to transfer this code(rendering a simple earth) to an "Equalizer" edition, I think we can transfer the whole VisNgin.

   I have also read through the "Equalizer Guide", more carefully and more detailed than before, preparing for the implement with Equalizer.

2) For my research, I spent some time to read the paper "A Sketch-Based Interface for Classifying and Visualizing Vector Fields" one more time, to make sure that I have fully understand its method and the techniques it used.

   The two main techniques used are curve parameterization and string match, I still have questions with the two, especially the former one, and I'll discuss with Prof. Zhang about it and find out if there exist some better algorithms to complete the two tasks.

To Do

1) Transfer the code extracted from VisNgin into an "Equalizer" edition. After that, we can further study different functionality of Equalizer, such as the strategy to parallelize the rendering and the way to pull data from the database.